Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.   (Currently Amended) A method of dynamically detecting a location of a mobile node, comprising:

accessing static information pertaining to the mobile node from a configuration database;

accessing dynamic information pertaining to the mobile node when the mobile node starts up;

examining the static information and the dynamic information pertaining to the mobile node;

selecting one of a plurality of [[a]] location module modules based on the static information and the dynamic information, each of the plurality of location module modules comprising an appropriate methodology to dynamically determine the mobile node's location with respect to a corporate demilitarized zone ("DMZ") wherein the plurality of location modules include a first location module for frequent roaming across the corporate DMZ, and a second location module to utilize a Dynamic Host Control Protocol ("DHCP") reply to determine the location of the mobile node, or a third location module to utilize a care of address ("COA") assigned by a DHCP server to determine the location of the mobile node; and

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executing the location module to determine whether the mobile node is on an

intranet or an external network separated from the intranet by the DMZ.

2.   (Canceled)

3.   (Previously Presented) The method according to Claim 1 further

comprising deciding whether to retain the location module based on the dynamic

information.

4.   (Original) The method according to Claim 3 wherein deciding whether to

retain the location module further comprises selecting an alternate location module if the

dynamic information indicates the alternate location module is more suitable.

5.   (Original) The method according to Claim 1 wherein applying the

location module further comprises causing the mobile node to execute instructions in the

location module.

6.   (Original) The method according to Claim 5 wherein causing the mobile

node to execute instructions in the location module further comprises causing the mobile

node to register with an internal home agent and an external home agent.

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7.   (Original) The method according to Claim 5 wherein causing the mobile

node to execute instructions in the location module further comprises examining a

Dynamic Host Control Protocol ("DHCP") reply to determine a domain name.

8.   (Original) The method according to Claim 5 wherein causing the mobile

node to execute instructions in the location module further comprises causing the mobile

node to compare its care of address ("COA") against a CIDR block address in a

configuration database.

9.   (Currently Amended) An article comprising a machine-accessible

medium having stored thereon instructions that, when executed by a mobile node, cause

the mobile node to:

    access static information pertaining to the mobile node from a configuration

database;

    access dynamic information pertaining to the mobile node when the mobile node

starts up;

    examine the static information and dynamic information pertaining to a mobile

node;

    select one of a plurality of [[a]] location module modules based on the static

information and the dynamic information, each of the plurality of location module

modules comprising an appropriate methodology to dynamically determine the mobile

node's location with respect to a corporate demilitarized zone ("DMZ") wherein the

plurality of location modules include a first location module for frequent roaming across

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the corporate DMZ, and a second location module to utilize a Dynamic Host Control

Protocol ("DHCP") reply to determine the location of the mobile node, or a third location

module to utilize a care of address ("COA") assigned by a DHCP server to determine the

location of the mobile node; and

execute the location module to determine whether the mobile node is on an

intranet or an external network separated from the intranet by the DMZ.

10.   (Canceled)

11.   (Previously Presented) The article according to Claim 9 wherein the

instructions, when executed by the mobile node, further cause the mobile node to decide

whether to retain the location module based on the dynamic information.

12.   (Original) The article according to Claim 11 wherein the instructions,

when executed by the mobile node, further cause the mobile node to select an alternate

location module if the dynamic information indicates the alternate location module is

more suitable.

13.   (Original) The article according to Claim 9 wherein the instructions, when

executed by the machine, further cause the mobile node to execute instructions in the

location module.

14.   (Original) The article according to Claim 13 wherein the instructions,

when executed by the mobile node, further cause the mobile node to register with an

internal home agent and an external home agent.

15.   (Original) The article according to Claim 13 wherein the instructions,

when executed by the mobile node, further cause the mobile node to examine a Dynamic

Host Control Protocol ("DHCP") reply to determine a domain name.

16.   (Original) The article according to Claim 13 wherein the instructions,

when executed by the mobile node, further cause the mobile node compare its care of

address ("COA") against a CIDR block address in a configuration database.

17.   (Currently Amended) A mobile node capable of dynamically determining

its location, comprising:

a memory capable of storing a configuration database containing static

information pertaining to the mobile node, the memory further capable of storing

dynamic information obtained when the mobile node starts up; and

a processor capable of executing an appropriate location module selected by a

policy engine, the appropriate location module selected by the policy engine based on the

static information and the dynamic information, the location module comprising an

appropriate methodology to dynamically determine the mobile node's location with

respect to a corporate demilitarized zone ("DMZ") separating an internet from an external

network wherein the plurality of location modules include a first location module for

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frequent roaming across the corporate DMZ, and a second location module to utilize a

Dynamic Host Control Protocol ("DHCP") reply to determine the location of the mobile

node, or a third location module to utilize a care of address ("COA") assigned by a

DHCP server to determine the location of the mobile node, ~~wherein the appropriate~~

~~location module is capable of causing the mobile node to determine whether it is on an~~

~~intranet or an external network separated from the intranet by a corporate demilitarized~~

~~zone ("DMZ").~~

18. (Original) The mobile node according to Claim 17 wherein the processor

is further capable of causing the policy module to select a first location module based on

the static information in the configuration database, and wherein the processor is further

capable of causing the policy engine to determine whether to retain the first location

module.

19. (Original) The mobile node according to Claim 18 wherein the processor

is further capable of causing the policy engine to determine whether to retain the first

location module based on the dynamic information.

20. (Original) The mobile node according to Claim 19 wherein the processor

is further capable of causing the policy engine to select an alternate location module as

the appropriate location module if the dynamic information indicates the alternate

location module is more suitable.

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21.   (Original) The mobile node according to Claim 17 wherein the processor is further capable of executing instructions in the appropriate location module.

22.   (Original) The mobile node according to Claim 21 wherein the processor is further capable of causing the mobile node to register with an internal home agent and an external home agent.

23.   (Original) The mobile node according to Claim 21 wherein the processor is further capable of examining a Dynamic Host Control Protocol ("DHCP") reply to determine a domain name.

24.   (Original) The mobile node according to Claim 21 wherein the processor is further capable comparing the mobile node's care of address ("COA") against a CIDR block address in the configuration database.